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Title	The Endotrichinae of Japan
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Citation	INSECTA MATSUMURANA, 5(4): 161-170
Issue Date	1931-07
Doc URL	http://hdl.handle.net/2115/9221
Right	
Type	bulletin
Additional Information	



Instructions for use

THE ENDOTRICHINÆ OF JAPAN

By

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The *Endotrichinae*, a subfamily of the *Pyrilidae*, *Lepidoptera*, is separated from the *Pyrilinae* owing to the vein 8 of the hind wing anastomosing with 7, and from the *Hydrocampinae*, *Scopariinae* and *Pyraustinae*, it is separated by the fore wing in having vein 7 stalked with 8, 9 instead of being free. The species belonging to this subfamily have the fore wing with no tuft of raised scales in cell, thus the subfamily is separated from the *Epipaschiinae*.

Up to the present, about one hundred and thirty species belonging to this subfamily have been described in the world, and so far as my investigations go, eighteen species under nine genera are known as existing in Japan.

A short historical review regarding to the species from this country can be made as follows:

1879. A. G. BUTLER (Ann. Mag. Nat. Hist. 5, iv).

1. *Endotricha consocia* sp. n. (Originally placed under genus *Doththa*).
Type-locality: Yokohama; Collector: H. PRYER.

1879. A. G. BUTLER (Ill. Typ. Sp. Het. B. M. iii).

1. *Trichophysetis cretacea* sp. n. (Originally placed under genus *Hydrocampa*).

Type-locality: Yokohama; Collector: F. M. JONAS

1881. A. G. BUTLER (Trans. Ent. Soc. Lond.).

1. *Cataprosopus monstrosus* sp. n.

Type-locality: Tokyo; Collector: M. FENTON

1885. H. PRYER (Trans. Asiat. Soc. Jap. xiii).

1. *Endotricha icelusalis* WLK. (First record).

1891. E.-L. RAGONOT (Ann. Soc. Ent. Fr.).

1. *Endotricha portialis* WLK. (As *E. aeacusalis* WLK.).

1889. J. H. LEECH (Entom. xxii).

1. *Cataprosopus pauperalis* sp. n.

Type-locality: Yokohama; Collector: ? MANLEY

1895. W. WARREN (Ann. Mag. Nat. Hist. 6, xvi).

1. *Endotricha rhodopteralis* sp. n. (= *E. portialis* WLK.).

Type-locality: Japan; Collector: ?

1896. G. F. HAMPSON (Faun. Brit. Ind. Moths iv).
 1. *Endotricha costaemaculalis* CHRIST. (First record.)
 1901. J. H. LEECH (Trans. Ent. Soc. Lond.)
 1. *Cotachena histricalis* WLK. (First record).
 1901. R. SOUTH (Trans. Ent. Soc. Lond.).
 1. *Scenedra affinialis* sp. n. (Originally placed under genus *Endotricha*).
 Type-locality: Tsuruga; Collector: J. H. LEECH.
 1901. E. HERING (Stett. Ent. Zeit. 62).
 1. *Endotricha affinitalis* HERING (First record).
 1905. S. MATSUMURA (Cat. Ins. Jap.)
 1. *Endotricha mesenterialis* WLK. (First record).
 1911. A. E. WILEMAN (Trans. Ent. Soc. Lond.).
 1. *Endotricha theonalis* WLK. (First record).
 2. *Scenedra umbrosalis* sp. n. (Originally placed under genus *Herculia*).
 1926. A. CARADJA (Deut. Ent. Zeit. Iris, xl, 4).
 1. *Hendecasis duplifascialis* HMPSN. (First record).
 1928. J. SHIBUYA (Jour. Facul. Agr. Hokkaido Imp. Univ. xxii, 1).
 1. *Endotricha hypogrammalis* HMPSN. (First record).
 Hitherto unrecorded species:
 1. *Neohendecasis* (g. n.) *apiciferalis* WLK.
 2. *Diploseustis perieresalis* WLK.
 3. *Puriella problematica* STRAND

Synopsis of Genera

A.	Palpi upturned	(a-a')
A'.	Palpi porrect... ..	(c-c')
A''.	Palpi with the 2nd joint porrect and thickly scaled, the 3rd joint obliquely upturned, naked and set on before the apex of the 2nd	<i>Diploseustis</i>
a.	Hind wing with veins 4 and 5 stalked	(b-b')
a'.	Hind wing with veins 4 and 5 radiating from the angle of cell	<i>Scenedra</i>
b.	Fore wing with veins 4 and 5 stalked or closely approximated for some distance; 3 from cell	<i>Endotricha</i>
b'.	Fore wing with veins 3, 4 and 5 from cell	<i>Puriella</i>
c.	Palpi straight	(d-d')
c'.	Palpi rostriform and downcurved	<i>Catagrosopus</i>
d.	Palpi extending about the length of head	<i>Cotachena</i>
d'.	Palpi extending twice to thrice the length of head	(e-e')
e.	Maxillary palpi triangularly scaled	(f-f')
e'.	Maxillary palpi with a pointed tuft, nearly as long as the labial palpi	<i>Trichophyesetis</i>
f.	Hind wing with vein 3 stalked with 4	<i>Neohendecasis</i>
f'.	Hind wing with vein 3 not stalked with 4	<i>Hendecasis</i>

Genus *Endotricha* ZELL.

Isis, p. 593 (1847)... .. Genotype *flammealis* SCHIFF. et DEN.

The following eleven genera are synonyms of *Endotricha* ZELL. (Specific-names in the brackets indicate the genotypes).

Agrotera HBN.* (*flammealis* SCHIFF. et DEN.), *Doththa* WLK. (*mesenterialis* WLK.), *Messatis* WLK. (*pyrosalis* WLK.), *Pacoria* WLK. (*pyrosalis* WLK.), *Zania* WLK. (*theonalis* WLK.), *Tricomia* WLK. (*pyrosalis* WLK.), *Rhisina* WLK. (*puncticostalis* WLK.), *Endotrichodes* RAG. (*perustalis* RAG.), *Endotrichopsis* WARR. (*portialis* WLK.), *Perisseretma* WARR. (*endotrichalis* WARR.), *Tanyethira* TURN. (*dupiciinea* HMPSEN.).

Synopsis of Species

- A. Hind wing with a pale yellowish white medial band (a-a')
- A'. Hind wing with no pale yellowish white medial band (b-b')
- a. Fore wing with the costa wholly ornamented with whitish specks *E. icelusalis* WLK.
- a'. Fore wing with the costa ornamented with whitish specks on the outer half only
 *E. costaemaculalis* CHR.
- b. Fore wing with no lines *E. hypogrammalis* HMPSEN.
- b'. Fore wing with lines (c-c')
- c. Fore wing with the outer half of cilia whitish (d-d')
- c'. Fore wing with the outer half of cilia whitish, partly tinged with different colour (e-e')
- d. Fore wing with the outside of the antemedial line whitish; subterminal line very close to the termen *E. consocia* BUTL.
- d'. Fore wing with the outside of the antemedial line not whitish; subterminal line free from the termen *E. theonalis* WLK.
- e. Fore wing with an ochreous yellow medial band *E. mesenterialis* WLK.
- e'. Fore wing with no ochreous yellow medial band... .. *E. portialis* WLK.

1. *Endotricha theonalis* WLK.

Pyralis theonalis WALKER, Cat. Lep. Het. B. M. xix, p. 900 (1859).

Endotricha theonalis HAMPSON, Trans. Ent. Soc. Lond. p. 482 (1896); WILEMAN, Trans. Ent. Soc. Lond. p. 368 (1911); MARUMO, Jour. Coll. Agr. Tokyo Imp. Univ. viii (11), p. 185 (1923); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 1c9, pl. v, f. 4 (1928).

Pyralis ? *thermusalis* WALKER, l. c. p. 912 (1859).

Zania unicalis WALKER, l. c. xxxiv, p. 1257 (1865).

Doththa thermusalis BUTLER, Proc. Zool. Soc. Lond. p. 682 (1880).

This species was first recorded as occurring in Japan by WILEMAN in 1911. There are four specimens in the late WILEMAN's collection, taken at Junsainuma near Hakodate and Takanabe in Kiushu. Three specimens obtained at Yanagawa in Kiushu are preserved in the Entomological Museum, Sapporo.

Loc. Distr.: Junsainuma (WILEMAN); Takanabe (WILEMAN); Yanagawa (TAKAMUKU).

* Previously used for a genus of *Lepidoptera* in 1802 by SCHRANK.

Gen. Distr.: Japan; Formosa; China.

2. *Endotricha hypogrammalis* HMPSON.

Endotricha hypogrammalis HAMPSON, Ann. Mag. Nat. Hist. (7) xvii, p. 209 (1906); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 110, pl. v, f. 27 (1928).

There are three specimens preserved in the collection of the late WILEMAN (London) as follows:

1 ♂, 13-vii-1895, Kagoshima. 1 ♂, 22-ix-1895, Miyazaki.
1 ♂, 29-vii-1895, Kiire.

Recorded first from Japan by myself in 1928.

Loc. Distr.: Yanagawa (TAKAMUKU); Kiire (WILEMAN); Kagoshima (WILEMAN); Miyazaki (WILEMAN).

Gen. Distr.: Japan; Formosa; China.

3. *Endotricha portialis* WLK.

Endotricha portialis WALKER, Cat. Lep. Het. B. M. xvii, p. 391 (1859); RAGONOT, Ann. Soc. Ent. Fr. p. 525 (1891); HAMPSON, Trans. Ent. Soc. Lond. p. 483 (1896); LEECH, Trans. Ent. Soc. Lond. p. 418 (1901); MATSUMURA, Cat. Ins. Jap. p. 200 (1905); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 110, pl. v, f. 17 (1928).

Doththa aeacusalis WALKER, l. c. xix, p. 921 (1859); RAGONOT, l. c. p. 524 (1891).

Endotricha acrobasis SNELLEN, Tijds. v. Ent. xxxv, p. 155, pl. 10, f. 1 (1892).

Endotrichopsis rhodopteralis WARREN, Ann. Mag. Nat. Hist. (6) xvi, p. 467 (1895).

The type specimen of *E. rhodopteralis* WARR. was collected from Japan. RAGONOT firstly recorded this species as existing in this country in 1891 identified as *D. aeacusalis* WLK.

Loc. Distr.: Yoshino (WILEMAN); Obamine (WILEMAN); Kiire (WILEMAN).

Gen. Distr.: Japan; Formosa; Java; Borneo.

4. *Endotricha mesenterialis* WLK.

Doththa mesenterialis WALKER, Cat. Lep. Het. B. M. xvii, p. 285 (1859); id., l. c. xix, p. 920 (1859); MOORE, Lep. Ceyl. iii, p. 265, pl. 178, f. 8 (1885); SWINHAE & COTES, Cat. Moths of Ind. p. 661 (1889); HAMPSON, Ill. Typ. Sp. Het. B. M. viii, p. 34 (1891).

Endotricha suffusalis WALKER, l. c. xvii, p. 390 (1859); RAGONOT, l. c. p. 525 (1891).

Pyralis suffusalis SWINHAE, Proc. Zool. Soc. Lond. p. 864 (1885).

Doththa suffusalis MOORE, l. c. p. 266 (1885); SWINHAE & COTES, l. c. p. 611 (1889).

Endotricha mesenterialis RAGONOT, Ann. Soc. Ent. Fr. p. 524 (1891); HAMPSON, Faun. Brit. Ind. Moths iv, p. 133 (1896); id., Trans. Ent. Soc. Lond. p. 483 (1896); SWINHAE, Cat. Het. Mus. Oxf. ii, p. 427 (1900); MATSUMURA, Cat. Ins. Jap. p. 200 (1905); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 110 (1928).

Endotricha flavifimbrialis WARREN, Ann. Mag. Nat. Hist. (6) viii, p. 69 (1891).

Endotricha eoidalis SNELLEN, Tijds. v. Ent. xxxviii, p. 112, pl. 5, ff. 2, 3 (1895).

So far as I am aware, this species was first recorded from Japan by Prof. S. MATSUMURA in 1905.

Loc. Distr.: Sapporo (MATSUMURA); Chichibu (HIRAYAMA).

Gen. Distr.: Japan; Korea; Formosa; Java; Burma; Ceylon; India.

5. *Endotricha consocia* BUTL.

Doththa consocia BUTLER, Ann. Mag. Nat. Hist. (5) iv, p. 452 (1879); PRYER, Trans. Asiat. Soc. Jap. xiii (1), p. 58 (1885).

Endotricha consocia RAGONOT, Ann. Soc. Ent. Fr. p. 525 (1891); HAMPSON, Trans. Ent. Soc. Lond. p. 484 (1896); LEECH, Trans. Ent. Soc. Lond. p. 419 (1901); MATSUMURA, Cat. Ins. Jap. p. 201 (1905); MARUMO, Jour. Coll. Agr. Tokyo Imp. Univ. viii (11), p. 185 (1923); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 111, pl. v, f. 25 (1928).

Endotricha albicilia WILEMAN (nec HMPSN.), Trans. Ent. Soc. Lond. p. 368 (1911).

The type specimen of *E. consocia* BUTL. was obtained at Yokohama by H. PRYER, and is now preserved in the collection of the British Museum.

Two more specimens from Japan are in the same Museum, taken by LEECH at Fushiki and Tsuruga. I have examined a single specimen at the National Museum, Paris, which was captured by LEECH in July of 1887.

Loc. Distr.: Yokohama (PRYER, WILEMAN); Fushiki (LEECH); Tsuruga (LEECH); Yakushima (MARUMO).

Gen. Distr.: Japan; China; Formosa.

6. *Endotricha costaemaculalis* CHRIST.

Endotricha costaemaculalis CHRISTOPH, Bul. Soc. Nat. Mosc. lvi, p. 4 (1881); SNELLEN, Trans. Ent. Soc. Lond. p. 569 (1890); RAGONOT, Ann. Soc. Ent. Fr. p. 524 (1891); HAMPSON, Faun. Brit. Ind. Moths iv, p. 133 (1896); id., Trans. Ent. Soc. Lond. p. 484 (1896); STAUDINGER & REBEL, Cat. Lep. Palaearc. ii, p. 43 (1901); LEECH, Trans. Ent. Soc. Lond. p. 418 (1901); MATSUMURA, Cat. Ins. Jap. p. 200 (1905).

Endotricha fuscobasalis RAGONOT, l. c. p. 526 (1891).

This species was first recorded as occurring in Japan by HAMPSON in 1896.

Loc. Distr.: Kiire (WILEMAN); Satsuma (LEECH).

Gen. Distr.: Japan; China; Siberia; India.

7. *Endotricha icelusalis* WLK.

Pyrallis icelusalis WALKER, Cat. Lep. Het. B. M. xix, p. 900 (1859).

Rhodaria flavofascialis BREMER, Lep. Ost-Sib. p. 65, pl. vi, f. 1 (1864).

Pyrallis rosealis WALKER, l. c. xxxiv, p. 1236 (1865).

Doththa icelusalis PRYER, Trans. Asiat. Soc. Jap. xiii (1), p. 58 (1885).

Endotricha icelusalis MEYRICK, Trans. Ent. Soc. Lond. p. 471 (1890); RAGONOT, Ann. Soc. Ent. Fr. p. 524 (1891); HAMPSON, Trans. Ent. Soc. Lond. p. 484 (1896); STAUDINGER & REBEL, Cat. Lep. Palaearc. ii, p. 43 (1901); LEECH, Trans. Ent. Soc. Lond. p. 419 (1901); MATSUMURA, Cat. Ins. Jap. p. 201 (1905); WILEMAN, Trans. Ent. Soc. Lond. p. 367 (1911).

This species was so far as I am aware recorded first from Japan by H. PRYER in 1885.

Loc. Distr.: Sapporo (MATSUMURA); Hakodate (WILEMAN); Tokyo (?); Yoshino (WILEMAN); Yokohama (WILEMAN); Iyo (WILEMAN).

Gen. Distr.: Japan; Korea; China.

8. *Endotricha affinitalis* HERING

Endotricha affinitalis HERING (E.), Stett. Ent. Zeit. 62, p. 45 (1901).

I am obliged to postpone this species to treat with in the synopsis, being hitherto unable to obtain any specimen of this species from this country, even though this was reported as existing also in Japan by HERING.

Loc. Distr.: Hiogo (according to HERING).

Gen. Distr.: Japan; Sumatra.

Genus *Scenedra* MEYR.

Trans. Ent. Soc. Lond. p. 75 (1884) Genotype *decoratalis* WLK.

Synopsis of Species

- | | | | |
|-----|--|--------|----------------------------|
| a. | Hind wing with a dark edged yellowish medial band | | <i>S. affinialis</i> SOUTH |
| a'. | Hind wing with no dark edged yellowish medial band | | <i>S. umbrosalis</i> WLMN. |

9. *Scenedra affinialis* SOUTH

Endotricha affinialis SOUTH, Trans. Ent. Soc. Lond. p. 418, pl. xiv, f. 22 (1901); MATSUMURA, Cat. Ins. Jap. p. 200 (1905).

Specimens of this species with vein 4 to the fore wing stalked with 5, and of the hind wing being separated, thus I have in this paper transferred this from genus *Endotricha* to the present genus.

The type specimen of this species was collected at Tsuruga by LEECH, and is now in the British Museum.

Loc. Distr.: Tsuruga (LEECH).

Gen. Distr.: Japan.

10. *Scenedra umbrosalis* WLMN.

Herculia umbrosalis WILEMAN, Trans. Ent. Soc. Lond. p. 369 (1911).

This species was described from Japan as a new species belonging to the subfamily *Pyrulinae*, the specimens of this species, however, with veins 4, 5 to the fore wing stalked, 3 from just before the angle of cell, 7, 8, 9, stalked, 10, 11 free; hind wing with veins 4 and 5 from the angle of cell, 7 distinctly anastomosing with 8. Also the labial palpi upturned, hardly reaching the vertex of head. So that, I have in this paper transferred this species from the *Pyrulinae* to the present subfamily, and placed it under the genus *Scenedra*.

There are two male specimens in the collection of the Entomological Museum, Sapporo, taken in August, 1918 (MATSUMURA) and in July, 1927 (SHIBUYA), both at Sapporo.

Loc. Distr.: Sapporo (MATSUMURA, SHIBUYA); Tokyo (WILEMAN).

Gen. Distr.: Japan.

Genus *Diplopseustis* MEYR.

Trans. Ent. Soc. Lond. p. 284 (1884) Genotype *perieresalis* WLK.

11. *Diplopseustis perieresalis* WLK.

Ambia ? perieresalis WALKER, Cat. Lep. Het. B. M. xix, p. 958 (1859).

Cymoriza minima BUTLER, Proc. Zool. Soc. Lond. p. 684 (1880).

Diplopseustis minima MEYRICK, Trans. Ent. Soc. Lond. p. 285 (1884); id., Trans. New Zeal. Inst. p. 63 (1887); RAGONOT, Ann. Soc. Ent. Fr. p. 520 (1891).

Diplopseustis perieresalis HAMPSON, Trans. Ent. Soc. Lond. p. 489 (1896); id., Jour. Bomb. Nat. Hist. Soc. xii, p. 483 (1899); STRAND, Entom. Mitteil. viii (1/3), p. 56 (1919); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 113, pl. v, f. 18 (1928).

C. minima BUTL. was described from Formosa, but no one has hitherto been reported as existing in Japan. There are two male specimens in the Entomological Museum, Sapporo, taken at Tokyo by S. HIRAYAMA and Kyoto by M. SUZUKI, but they are not exactly dated.

Loc. Distr.: Tokyo (HIRAYAMA); Kyoto (SUZUKI).

Gen. Distr.: Japan; Formosa; Australia; New Zealand; India.

Genus *Cataprosopus* BUTL.

Trans. Ent. Soc. Lond. p. 589 (1881) Genotype *monstrosus* BUTL.

Synonym *Lophopalpia* HMPRON. (genotype *pauperalis* LEECH).

Synopsis of Species

- a. Fore wing with an apical patch *C. monstrosus* BUTL.
 a'. Fore wing with no apical patch *C. pauperalis* LEECH

12. *Cataprosopus monstrosus* BUTL.

Cataprosopus monstrosus BUTLER, Trans. Ent. Soc. Lond. p. 590 (1881); HAMPSON, Trans. Ent. Soc. Lond. p. 490 (1896); LEECH, Trans. Ent. Soc. Lond. p. 419 (1901); MATSUMURA, Cat. Ins. Jap. p. 201 (1905).

Hygrochroa testacea MATSUMURA (nec BUTL.), Thous. Ins. Jap. Suppl. ii, p. 83, pl. xxiv, f. 11 (1910).

The type specimen of *monstrosus* BUTL. was collected at Tokyo by FENTON. Specimens identified by Prof. MATSUMURA as *Hygrochroa testacea* BUTL. are identical with *C. monstrosus* BUTL., and the former is a species belonging to the family *Geometridae*.

Loc. Distr.: Sapporo (MATSUMURA, SHIBUYA); Hakodate (LEECH); Oshima (WILEMAN); Nikko (WILEMAN); Tokyo (FENTON); Higo (WILEMAN).

Gen. Distr.: Japan; Korea.

13. *Cataprotopus pauperalis* LEECH

Cataprotopus pauperalis LEECH, Entom. xxii, p. 70, pl. 4, f. 11 (1889).

Lophopaltia pauperalis HAMPSON, Trans. Ent. Soc. Lond. p. 527 (1896); LEECH, Trans. Ent. Soc. Lond. p. 418 (1901); MATSUMURA, Cat. Ins. Jap. p. 203 (1905); HAMPSON, Jour. Bomb. Nat. Hist. Soc. xviii, p. 270 (1908).

Described from Japan.

Loc. Distr.: Yokohama (MANLEY); Yoshino (WILEMAN); Kyoto (SUZUKI); Awa (WILEMAN); Higo (WILEMAN).

Gen. Distr.: Japan; India (according to HAMPSON).

Genus *Trichophysetis* MEYR.

Trans. Ent. Soc. Lond. p. 287 (1884) Genotype *cretacea* BUTL.

14. *Trichophysetis cretacea* BUTL.

Hydrocampa cretacea BUTLER, Ill. Typ. Sp. Het. B. M. iii, p. 75, pl. 59, f. 8 (1879).

Trichophysetis neophyla MEYRICK, Trans. Ent. Soc. Lond. p. 287 (1884).

Trichophysetis cretacea HAMPSON, Trans. Ent. Soc. Lond. p. 491 (1896); LEECH, Trans. Ent. Soc. Lond. p. 420 (1901); STAUDINGER & REBEL, Cat. Lep. Palaearc. ii, p. 44 (1901); HAMPSON, Jour. Bomb. Nat. Hist. Soc. xv, p. 206 (1903); MATSUMURA, Cat. Ins. Jap. p. 201 (1905).

BUTLER's species was described from Japan. There is one specimen in the British Museum, taken at Hakodate by ANDREWS. Another one in the late WILEMAN's Collection, from Higo in Kiushu.

Loc. Distr.: Sapporo (MATSUMURA); Hakodate (ANDREWS); Echigo (NAKAMURA); Yokohama (PRYER); Higo (WILEMAN).

Gen. Distr.: Japan; Amur; Australia.

Genus *Neohendecasis* nov.

Genotype—*apiciferalis* WLK. (Cat. Lep. Het. B. M. xxxiv, p. 1236).

Antennae of male unknown. Frons rounded; maxillary palpi triangularly scaled; labial palpi porrect, extending about twice the length of head, the 3rd joint well developed. Proboscis well developed. Legs smooth, spurs nearly equal in length. Fore wing moderately broad, costa nearly straight, apex rounded; vein 2 arising from before the angle of cell; 3, 4, 5 from angle; 6 from below the upper angle of cell; 7 stalked with 8; 9 absent; 10 and 11 from cell. Hind wing with vein 2 from before the angle of cell; 3 stalked with 4; 5 from above the angle of cell; 7 anastomosing with 8.

This comes near to *Hendecasis* HAMPSON, from which it differs in the following points:

1. Fore wing with vein 10 not stalked with 7, 8.

2. Fore wing with the apex rounded instead of being acute.
3. Hind wing with veins 3,4 stalked.

15. *Neohendecasis apiciferalis* WLK.

Pyralis ? *apiciferalis* WALKER, Cat. Lep. Het. B. M. xxxiv, p. 1236 (1865).

Hendecasis apiciferalis HAMPSON, Trans. Ent. Soc. Lond. p. 493 (1896); LEECH, Trans. Ent. Soc. Lond. p. 421 (1901).

Hitherto unrecorded from this country. Three specimens are in the Entomological Museum, Sapporo as follows:

1 ♂, 20-viii-1917, Sapporo (MATSUMURA); 1 ♂, 6-ix-1917, Sapporo (MATSUMURA);

1 ♂, 16-viii-1918, Sapporo (MATSUMURA).

I have examined one specimen of this species in the collection of the late WILEMAN, taken at Hakodate.

Loc. Distr.: Sapporo (MATSUMURA); Hakodate (WILEMAN).

Gen. Distr.: Japan; China.

Genus *Hendecasis* HMPSN.

Faun. Brit. Ind. Moths iv, p. 140 (1896) Genotype *duplifascialis* HMPSN.

16. *Hendecasis duplifascialis* HMPSN.

Trichophyesis duplifascialis HAMPSON, Ill. Typ. Sp. Het. B. M. viii, p. 141, pl. 156, f. 18 (1893).

Hendecasis duplifascialis HAMPSON, Faun. Brit. Ind. Moths iv, p. 140 (1896); MAKI, Report Forest. Exp. Sta. i, p. 41, pl. 9, ff. 1, 2 (1915); CARADJA, Deut. Ent. Zeit. Iris, xl (4), p. 166 (1926); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 114 (1928).

Recorded from Japan first in 1926 by A. CARADJA.

Loc. Distr.: Yokohama (according to CARADJA).

Gen. Distr.: Japan; Formosa; Ceylon; India; W. Africa.

Genus *Cotachena* MOOR.

Lep. Ceyl. iii, p. 275 (1885) Genotype *histricalis* WLK.

17. *Cotachena histricalis* WLK.

Botys histricalis WALKER, Cat. Lep. Het. B. M. xviii, p. 655 (1859).

Cotachena histricalis MOORE, Lep. Ceyl. iii, p. 276 (1885); SWINHOE & COTES, Cat. Moths of Ind. p. 642 (1889); RAGONOT, Ann. Soc. Ent. Fr. p. 620 (1892); HAMPSON, Ill. Typ. Sp. Het. B. M. viii, p. 35 (1891); id., l. c. ix, pp. 44, 162, pl. 172, f. 5 (1893); id., Faun. Brit. Ind. Moths iv, p. 142 (1896); id., Trans. Ent. Soc. Lond. p. 498 (1896); SWINHOE, Cat. Het. Mus. Oxf. ii, p. 428 (1900); LEECH, Trans. Ent. Soc. Lond. p. 421 (1901); MATSUMURA, Cat. Ins. Jap. p. 201 (1905); STRAND, Entom. Mitteil. viii (1/3), p. 55 (1919); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 114 (1928).

Stenophyes histricalis SNELLEN, Trans. Ent. Soc. Lond. p. 600 (1890).

Archernis pubescens WARREN, Ann. Mag. Nat. Hist. (6) ix, p. 300 (1892).

This species was first recorded from Japan by LEECH in 1901. This one seems to be fairly commonly occurred throughout this country.

Loc. Distr.: Sapporo (MATSUMURA); Hakodate (ANDREWS); Mt. Fuji (LEECH); Yokohama (WILEMAN); Yoshino (WILEMAN); Tokyo (HIRAYAMA); Nagasaki (LEECH); Satsuma (LEECH).

Gen. Distr.: Japan; Formosa; Korea; China; India.

Genus *Puriella* STRAND

Deut. Ent. Zeit. Iris, xxxii (1/2), p. 88 (1918) Genotype *problematica* STRAND

18. *Puriella problematica* STRAND

Puriella problematica STRAND, Deut. Ent. Zeit. Iris, xxxii (1/2), p. 89 (1918); SHIBUYA, Jour. Facul. Agr. Hokkaido Imp. Univ. xxii (1), p. 115 (1928).

This species has as far as I am aware not been recorded as occurring in Japan. The following six specimens are preserved in the Entomological Museum, Sapporo:

1 ♂, 6-viii-1913, Tokyo (HIRAYAMA);	1 ♂, 16-viii-1915, Tokyo (HIRAYAMA);
1 ♂, ?-viii-1916, Usui (SUGITANI);	1 ♂, 22-ix-1917, Yanagawa (TAKAMUKU);
1 ♂, ?-viii-1919, Kii (ISSHIKI);	1 ♂, ? Kyoto (SUZUKI).

Loc. Distr.: Tokyo (HIRAYAMA); Kii (ISSHIKI); Kyoto (SUZUKI); Usui (SUGITANI); Yanagawa (TAKAMUKU).

Gen. Distr.: Japan; Formosa.

摘 要

本編は日本本土産尖螟蛾亜科の分類学的研究である。而して本亜科は後翅の第8脈が第7脈と接合せる事に依つて縞螟蛾亜科と、又前翅の第7脈が第8.9脈と癒合せる事に依つて木螟蛾、山螟蛾、野螟蛾の各亜科と、更に前翅の中室に隆起せる鱗塊を缺く事に依つて、太螟蛾亜科と區別されてゐる。

此亜科に含まれるもので、今日まで世界の學界に紹介された種類は約一三〇種あるが、我日本本土には現在九屬、一八種産してゐる、此内 *Neohendecasis apiciferalis* WLR., *Diplopsyseustis perieresalis* WLR., *Puriella problematica* STRAND の三種は、今度初めて我本土から記録されるもので、又 *Neohendecasis* は新屬である。

(於 岐阜高等農林學校昆蟲學教室)